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TI N-Substituted lactams

IN Palecek, Jaroslav; Lutisanova, Marta; Kuthan, Josef

PA Czech.

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AB Six title compds. I (R = alkyl, aralkyl, n = 2-7) were prepd. by alkylation of I (R = H) in the presence of a quaternary ammonium or phosphonium salt phase transfer catalyst. Thus, a soln. of 9.9 g 2-pyrrolidone in 100 mL PhMe was treated with 2.2 g PhCH<sub>2</sub>N<sup>+</sup>Et<sub>3</sub>.Cl<sup>-</sup> and 10 mL aq. 50% NaOH, the mixt. was stirred 10 min, 23.2 g Me(CH<sub>2</sub>)<sub>7</sub>Br was added and the mixt. was stirred 3 h at 40-50.degree. to give 20.1% N-octyl-2-pyrrolidone.

IC C07D227-08

DT Patent

LA Czech